

Application No. 10/537729
Response to the Office Action dated July 21, 2008

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) An image reading apparatus comprising:
 - a light source for illuminating an image reading region extending in a primary scanning direction;
 - a case for accommodating the light source;
 - a substrate including a first side edge and a second side edge spaced from each other in a secondary scanning direction which is perpendicular to the primary scanning direction, the substrate being elongated in the primary scanning direction and mounted to the case;
 - a plurality of sensor IC chips for detecting light traveling from the image reading region, the sensor IC chips being mounted on a principal surface of the substrate at positions closer to the second side edge than to the first side edge;
 - a wiring pattern formed on the substrate;
 - a plurality of wires electrically connecting the sensor IC chips and the wiring pattern to each other;
 - a light guide for guiding light emitted from the light source to the image reading region; and
 - a reflector held in contact with the light guide to prevent light from leaking from the light guide;
 - wherein each of the wires is connected to the wiring pattern by extending from a corresponding one of the sensor IC chips toward the first side edge of the substrate, the light source is mounted on an end of the principal surface of the substrate in the primary scanning direction,

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the case is provided with a first partition wall for separating the light source and the sensor IC chips and with a second partition wall for separating the light guide and the sensor IC chips,

the first partition wall is held in contact with the principal surface of the substrate,
and

the second partition wall is spaced from the substrate, and the reflector is provided on the second partition wall.

2. (Cancelled)

3. (Previously Presented) The apparatus according to claim 1, wherein the light guide is made of transparent resin.

4. (Currently Amended) The apparatus according to claim 1, wherein the second partition wall includes a flat surface extending parallel to the principal surface of the substrate, and wherein the wires enter between the flat surface and the principal surface of the substrate at least partially.

5. (Cancelled)

6. (Original) The apparatus according to claim 1, wherein the plurality of sensor IC chips are arranged in a straight row, and wherein the wiring pattern includes a conductive path which extends across the row of the sensor IC chips and a conductive path which does not extend across the row of the sensor IC chips.

7. (Original) The apparatus according to claim 1, wherein each of the sensor IC chips is provided with a plurality of connection pads, and a plurality of light receiving portions arranged in a straight row, and wherein the connection pads are arranged at positions offset toward the first side edge of the substrate with respect to the light receiving portions.

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8. (Original) The apparatus according to claim 1, further comprising a connector for external connection attached to the first side edge of the substrate, wherein the connector is electrically connected to the wiring pattern.

9 - 10. (Cancelled)

11. (Previously Presented) The apparatus according to claim 1, wherein the light source comprises a light emitting diode provided on the principal surface of the substrate at a position closer to the first side edge than to the second side edge.